**Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB)**

*Terms of Reference*

**Firm on trainings and dissemination of climate resilient technologies at the local level in Central Asia with focus on adaptation to climate change**

1. **Background**

On November 3, 2015, the World Bank Board of Executive Directors approved an allocation of US$38 million from the International Development Association (IDA) to finance the first phase of the regional Climate Adaptation and Mitigation Program for Aral Sea Basin (CAMP4ASB). This approved financing includes US$9 million for Tajikistan, US$14 million for Uzbekistan, and US$15 million for regional activities to be implemented by the Executive Committee of the International Fund for Saving the Aral Sea (EC-IFAS) with support from the Regional Environmental Center for Central Asia (CAREC) for day-to-day regional coordination and implementation.

The CAMP4ASB aims to enhance regionally coordinated access to improved climate change knowledge services for key stakeholders (e.g., policy makers, communities, and civil society) in participating Central Asian countries as well as to increased investments and capacity building that, combined, will address climatic challenges common to the countries. CAMP4ASB[[1]](#footnote-1) is comprised of three components:

***Component 1:*** Regional Climate Knowledge Services: To strengthen the knowledge and capacity base for climate action and facilitate regional dialogue and multi-stakeholder engagement for an effective climate response at scale;

***Component 2:*** Regional Climate Investment Facility: To provide financing and technical assistance to rural communities for climate-smart investments that will generate lessons and experience for scaled-up climate action in priority areas common to all Central Asian countries;

***Component 3:*** Regional and National Coordination: For oversight, coordination, and implementation support at regional and national levels.

The introduction of climate technology, especially at the local level, is one of the main elements of the CAMP4ASB project. National coordination groups in Tajikistan and Uzbekistan promote climate finance for improved land use, water use, and the efficient use of natural resources, with the mandatory inclusion of low-carbon technologies and adaptation practices.

Activities at the local level on the implementation of climate technologies in the framework of the CAMP4ASB project displayed the most popular are technologies related to the sustainable management of land and water resources, as they directly relate to financial gain (for example, year-round harvest of vegetables through the construction of greenhouses). Consequently, when planning and implementing technologies and practices, the financial component is of particular importance, which must be taken into account in order to achieve the sustainability and motivation of farmers to use climate-sustainable practices.

As part of the CAMP4ASB project, the Second Central Asian Conference on Climate Change hosted the side event “Cooperation for the introduction of climate-resilient technologies in the sectors of energy, agriculture and water resources” (Tashkent, 2 April 4, 2019) and the Exhibition of affordable technologies for adaptation to climate change” (Tashkent, 4-5 April 4, 2019)

Subsequent discussions and surveys of stakeholders showed that despite measures taken by Central Asian countries to fulfill the obligations of the UNFCCC and the Paris Agreement, the population of countries, especially at the local level, does not have enough information about the growing processes of climate change, the negative consequences for Central countries Asia, as well as possible actions for adaptation. Also, in the region, there is a lack of information on the successful experience of using available technologies for a safer and more sustainable supply of water and energy, as well as food products in the context of growing negative climate changes.

This assignment is to be carried under the Component 1 of the CAMP4ASB project, Regional Climate Knowledge Services, and refers to the sub-activity 1.6 of the project.

1. **Objectives of the assignment**

The overall goal of these Consulting Services is to build the capacity of farmers, households, small and medium-sized businesses, local settlements, farmers and water users associations, NGOs and experts (as trainer trainers), on use of climate resilient technologies on local level. The next specific objectives include:

* Identify climate resilient technologies, in energy, agriculture and water sectors, which are relevant for local and national circumstances, assess the economic effectiveness of those technologies;
* Organize training workshops at the local level in the five CA Countries;
* Produce a knowledge product (publications, practical handbook, presentations) and raise awareness.
1. **Scope of work and tasks**

For this purpose, the Firm is expected to undertake the following tasks:

1. **Identify climate resilient technologies in energy, agriculture and water sectors, which are relevant for local and national circumstances, assess the economic effectiveness of those technologies:**
* Develop criteria for selection of technologies, taking into account the needs and characteristics in different areas / regions of each country.
* Determine the list of technologies, develop a description for each separate training, taking into account climatic, cultural as well as other factors and local characteristics and needs.
* Conduct desk research and analysis of economic effectiveness of proposed climate-resilient technologies and practices to be used in key sectors of energy, agriculture and water.
1. **Organize training workshops at local levels (at least 7 trainings at the local level in each CA country):**
* Agree the training structure and create a theoretical and practical parts of the training modules for each country (incl. handouts).
* Identify location for trainings and organize practical part of trainings on the example of existing technologies with participation of practitioners in-person to share their experience and lessons learned.
* Prepare tools, drawings, manuals, videos and knowledge materials for the practical part of the trainings.
* Detailed evaluation of training’s efficiency before (diagnostic evaluation), during the training (formative evaluation), at the post-conclusion (summative evaluation) and assessment of training’s efficiency.
1. **Produce a knowledge products (in hard and soft copies) and raise awareness.**
* Prepare a publication, brochures, in national languages based on the trainings using real photos and knowledge materials used on the practical part of the trainings.
* Design a Technology Handbook with an assessment of their economic feasibility (resource conservation and economic benefits).
* Presentation of results and recommendations in the regional Project’s events, including CACCC 2020&2021.

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| **#** | **Deliverables** | **Tasks** | **Timeline** |
| **1** | Developed work plan is approved | To develop detailed work plan | 01 March2020 |
| **2** | List of proposed climate-resilient technologies and practices in sectors of energy, agriculture and water for trainings in each country | Determine the list of technologies and practices for trainings in each country, taking into account climatic, cultural and other factors and local characteristics, needs and gender consideration  | 15 March2020 |
| **3** | Training module on climate-resilient technologies and practices in the key sectors for each country is developed (5 training modules) | To conduct preparatory research and to create a training module for each country, taking into account the needs and characteristics  | 15 April 2020 |
| **4** | The list of existing and currently operating households, farms/small enterprises at the local level as partners for all trainings in each country is determined  | Choice the places for trainings based on a preliminary analysis of the practical experience of farms in the application of climate-resilient technologies; and the willingness of farmers / households to pay expenses to cover the costs of materials for their manufacture during the trainings | 15 April 2020 |
| **5** | Theoretical and practical materials and tools necessary for the effective trainings, including manuals, videos, drawings, is prepared to dissemination | Prepare tools, drawings, manuals, videos and other knowledge materials necessary for the practical part of the trainings | 15 May 2020 |
| **6** | Conduct series of 3 days trainings with the participation of farmers, households, small and medium-sized businesses, eco-settlements, professional associations, NGOs and experts (as trainer trainers). (at least 7 trainings at the local level in different regions in each CA country)  | - Provide the venue for the theoretical part of the trainings- Organize the invitation of the participants to the trainings (at least 20 people at each training).- Organize practical part of training on the example of existing technologies with the participation of practitioners and on the basis of their experience (in each country at the local level successful operating farms or other farms will be identified on which affordable and climate- resilient technologies are available and practically used).- Organize at least 1 training in each country with a focus on women, using technologies that can be applied and manufactured by women. - Provide wide dissemination of 2nd and 3rd Central Asia Climate Change Conference materials (reports, video and demonstration materials)  | 15 May – 15 October 2020 |
| **7** | Presentation at the 3th Central Asia Climate Change Conference (CACCC-2020) in Tajikistan | Presentation of ongoing work in countries (by request of the organizers of CACCC-2020) | 16-17 June 2020 |
| **8** | At least 10 publications at a regional and at least 35 publications at a national media, web sites, social networks and TV in national languages is published | -Prepare and publication of reviews for each training (in Russian and national languages). - Provide wide dissemination of the prepared publications on media resources in countries.-Provide monitoring report on publications in countries. | 15 May – 15 October 2020 |
| **9** | Design of knowledge materials for each country (in Russian and 5 national languages) is finalized | Prepare a brochures (in hard and soft copies) based on the trainings, using real photos and knowledge materials used on the practical part of the trainings | 15 December 2020 |
| **10** | Final report (in Russian and English) is approved by the Project management  | Develop a final report on the trainings describing the process of conducting trainings in countries, qualitative and quantitative assessment of each training’s results, findings, and recommendations | 31 December 2020 |
| **11** | Design the Technology Handbook (in Russian and 5 national languages) is finalized | Design a Technology Handbook (in hard and soft copies) with an assessment of the economic feasibility (resource conservation and economic benefits) with the addition of success stories of real technology users | 31 January 2021 |
| **12** | Participation at the 4th Central Asia Climate Change Conference (CACCC-2021).  | Presentation of work performed in countries (by request of the organizers of CACCC-2021) | February – April 2021 (tbd) |

1. **Experience requirement**
* At least 5 years of relevant working experience in developing and conducting assessments, reports, trainings and seminars for climate change, natural resources, economics and/or environmental projects;
* Experience of trainings and work with local organizations, farmers and enterprises on climate-resilient technologies and practices in the key sectors of energy, agriculture and water;
* Good knowledge of climate change science and interventions in Central Asia, with natural resource management and agriculture; and
* Extensive experience of working with government and local agencies, academia and civil society on issues concerning climate change, natural resource management.
1. **Timeline and Reporting**

The estimated duration of the Firm’s consultancy will be February 20, 2020 – April, 2021.

The Firm shall report to the CAMP4ASB RCU Coordinator.

1. For more details about the project and description of all components and subcomponents, please refer to the CAMP4ASB Project Appraisal Document ([PAD](http://www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2015/10/20/090224b083157ebd/2_0/Rendered/PDF/Central0Asia000l0Sea0Basin0Project0.pdf)) [↑](#footnote-ref-1)